FDOT2015.C3D Installation Guide



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FDOT 2015 Civil 3D State Kit – Installation Guide

Note: It is strongly recommended that you read this entire document before you install.

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Installation Overview

What is the FD0T2015.C3D State Kit?

The Florida Department of Transportation (FDOT) has developed CADD Standards for the production, delivery and processing of Florida transportation systems plans. The FDOT Engineering / CADD Systems Office (ECSO) produces a CADD Software Suite "State Kit" to coordinate these Standards for the Department's approved design software, AutoCAD® Civil 3D 2015® (Civil 3D).

The **CADD Manual** containing the CADD Standards may be downloaded from the ECSO website and viewed here: http://www.dot.state.fl.us/ecso/downloads/publications/Manual/CADDManual2015/Files/CADDManual2015.pdf

Included in the State Kit for Civil 3D:

- Desktop applications launch folder 'FDOT2015.C3D'
- ➤ Content folder 'FDOT2015.C3D' containing all FDOT software suite applications and FDOT resource files including but not limited to; Blocks, Pay Item Database, Parts Catalog, Templates, Fonts, Linetypes, Plot Support files, Subassemblies and Tool Palettes.
- Custom FDOT profile 'FDOT2015C3D.arg' and FDOT Ribbon.

System Requirements for FDOT State Kit

The FDOT State Kit for Civil 3D 2015 is a stand-alone workstation configuration for Autodesk AutoCAD Civil 3D 2015. It can be installed alongside the FDOT State Kit for Civil 3D 2012 and 2014. There is not a State Kit for Civil 3D 2013.

- Microsoft® Windows® 7 or Windows 8 (64-bit only)
- Microsoft Internet Explorer 7 or higher
- Microsoft .NET Framework Version 4.5 (Not installed with Civil 3D 2015. Download)
- Microsoft Excel® or Microsoft Office® 2007 SP 1 or higher
- Adobe® Reader 9.5 or greater (Not installed with Civil 3D 2015. <u>Download</u>)
- Autodesk AutoCAD Civil 3D 2015 or Autodesk Infrastructure Design Suite 2015

Prerequisites and Updates

We recommend AutoCAD Civil 3D 2015 stay current with all available fixes and service packs. The following updates are currently available from Autodesk Knowledge Network Support for AutoCAD Civil 3D Downloads online. Follow installation instructions provided by Autodesk.

Civil 3D 2015 Updates and Service Packs:

- Autodesk AutoCAD Civil 3D 2015 Service Pack 2 (64-bit)
- o Sanitary and Sewer Analysis 2015 Service Pack 1

Note for custom workspace users:

The FDOT Civil 3D State Kit does not create, overwrite or modify **any** '.CUIx' including the user's standard C3D.CUIx. However, it is always advisable to **backup** customized files prior to installing Autodesk Civil 3D service packs and upgrades. The Autodesk Civil 3D CUI is located here:

C:\Users\USERID\AppData\Roaming\Autodesk\C3D 2015\enu\Support\C3D.CUIx.

Optional and Third Party Applications

Autodesk Products

o Autodesk Vehicle Tracking 2015

Autodesk Subscription Extension Products

Productivity Tools for AutoCAD Civil 3D 2015

Global - Autodesk Civil Engineering Data Translator 64-bit Provides users with the ability to share project design data between Bentley format files and AutoCAD Civil 3D .dwg files.

Autodesk AutoCAD Civil 3D 2015 Productivity Pack 1
 Open Autodesk InfraWorks Model, Coordinate Geometry Editor, Create AutoCAD 3D Solids

Third Party Applications

See <u>FDOT Supported Software</u>.

Not all software included in this list has been tested as of time of release.

Important: TIMS Project Navigator is not recommended for use with Civil 3D Projects because it cannot recognize data references.

Installation Steps

- 1. Uninstall any previous version of the FDOT C3D 2015 State Kit from the Windows Control Panel. *if applicable. Note: You may use multiple versions of the State Kit together.*
- Link to download State Kit: http://www.dot.state.fl.us/ecso/downloads/software/FDOT2015CaddSoftware.shtm
- 3. Select and SAVE the **FDOT2015.C3D.Workstation.msi** to a local download location first before executing.
- 4. Double-click on download file and install providing prompts for Windows permissions, installation location, and project path location.



Select Next to continue

FDOT2015.C3D Setup

End-User License Agreement
Please read the following license agreement carefully

The FLORIDA DEPARTMENT OF TRANSPORTATION makes no warranty or guarantee, expressed, implied, or statutory, as to the accuracy, reliability, suitability, functioning, or results derived there from of FLORIDA DEPARTMENT OF TRANSPORTATION programs. Nor shall the fact of distribution of the programs and related program materials or documentation constitute any warranty or guarantee. The FLORIDA DEPARTMENT OF TRANSPORTATION shall have no liability to the program of the progr

Read and click to accept the EULA.
Select **Next** to continue

FDOT2015.C3D Setup

Select Installation Folder
This is the folder where FDOT2015.C3D will be installed.

To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".

Jinstallation Folder:

[C:\FDOT2015.C3D\]

Browse...

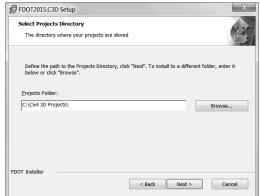
FDOT Installer

Select Next > Cancel

Accept or change default installation path for the FDOT content folder 'FDOT2015.C3D'
Select **Next** to continue

c.

b.



Browse to desired default Projects directory path or accept default.

(This sets a FDOT environment variable for FDOT Applications)

Select Next to continue.

d.

e.



Select **Install.** Files will be copied to the destination path.

Completing the FDOT2015.C3D Setup Wizard

Click the "Finish" button to exit the Setup Wizard.

Select **Finish** to complete the installation.

5. Reboot Computer.

f.

6. Launch FDOT Civil 3D 2015 State Kit from the installed FDOT2015.C3D desktop shortcut or windows application FDOT2015.C3D group folder.

< Back Finish Cancel



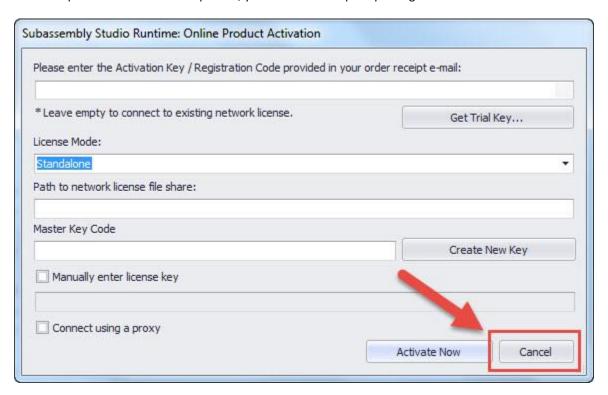
IMPORTANT: Always launch the State Kit from the FDOT2015.C3D shortcut.

Subassembly Studio Licensing

The FDOT2015 Civil 3D State Kit makes use of some subassemblies that were created using Subassembly Studio by Civil Power Tools. FDOT has a special licensing agreement to distribute these subassemblies royalty free.

On first run of Civil3D 2015 after the installation of the FDOT2015.C3D State Kit, you may encounter the following dialog to Register Subassembly Studio. The runtime of Subassembly Studio is registered by the FDOT2015.C3D installation, and does not need to be re-registered.

Subsequent launches of Civil 3D using the FDOT 2015.C3D shortcut will no longer present these licensing requests. Once this process has been accomplished, you should not be prompted again.



This dialog will only appear on computers that have never had the FDOT State Kits previously installed. Respond to the dialog above by pressing the *Cancel* Button. The following dialog will subsequently appear:



Likewise, Respond to the dialog by pressing the *Cancel* Button.

Uninstalling/Reinstalling the FDOT State Kit and AutoCAD Civil 3D

Uninstalling the FDOT2015.C3D State Kit cleanly removes **all** FDOT installed components.

It is recommended that Civil 3D be maintained up-to-date on all updates for your installation following instructions provided by Autodesk.

It is **not** necessary to uninstall/reinstall the State Kit for Civil 3D update installations.

However, if Civil 3D needs to be reinstalled for any other reason, you should uninstall the State Kit first.

Silent Installation

The FDOT2015.C3D installations can be completed silently. It will be necessary to provide the values for specific properties in the command line string. These properties will define the values typically entered into the dialogs during a manual installation.

Command line syntax:

Msiexec /i <path to msi> /qn PROPERTY=value PROPERTY=value

You can include multiple properties separated by a space.

NOTES: The name of a property contains only uppercase letters.

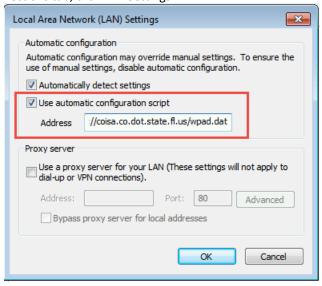
The trailing backslash is required for the paths defined.

Client Properties		
APPDIR	Defines the path to the local FDOT2015.C3D directory	
SERV	Defines the path to the FDOT2015.C3D server directory	
PROJ	Defines the path to the AutoCAD Projects directory	
Msiexec /i \\ServerName\SherName\FDOT2015.C3D.Workstation.msi /qn APPDIR=C:\FDOT2015.C3D\ SERV=\\Server\Share\FDOT2015.C3D\ PROJ=C:\Civil 3D Projects\		

Workstation Properties		
APPDIR	Defines the path to the local FDOT2015.C3D directory	
PROJ	Defines the path to the AutoCAD Projects directory	
Msiexec /i \\ServerName\\SherName\\FDOT2015.C3D.Workstation.msi /qn \textbf{APPDIR}=C:\\FDOT2015.C3D\\\\PROJ=C:\\Civil 3D \text{Projects}\\\}		

Windows 8 FDOT Help Installation

- 1. In Internet Explorer, click the Tools menu, and then click Internet Options.
- 2. On the Connections tab, click LAN Settings.



- 3. Turn on: "Use automatic configuration script"
- 4. And enter: "http://coisa.dot.state.fl.us/wpad.dat" in the address field.

Known Civil 3D Pipe Network Issue

When placing structures in a Drainage Network using the FDOT Civil 3D 2015 state kit, you may encounter the following error:

Description

Unable to run macro: C:\ProgramData\Autodesk\C3D 2015\enu\C3DPipeNetworkRules.dll:PipeNetworkRule.SetSumpDepth::ApplyRule Unable to run macro: C:\ProgramData\Autodesk\C3D 2015\enu\C3DPipeNetworkRules.dll:PipeNetworkRule.SetSumpDepth::ApplyRule Unable to run macro: C:\ProgramData\Autodesk\C3D 2015\enu\C3DPipeNetworkRules.dll:PipeNetworkRule.SetSumpDepth::ApplyRule Unable to run macro: C:\ProgramData\Autodesk\C3D 2015\enu\C3DPipeNetworkRules.dll:PipeNetworkRule.SetSumpDepth::ApplyRule

This is a known bug in Civil3D 2015. The following link references the bug and possible solutions: http://knowledge.autodesk.com/support/autocad-civil-3d/troubleshooting/caas/sfdcarticles/sfdcarticles/Error-Unable-to-run-macro-for-C3DPipeNetworkRules-dll.html

FDOT had found that the last bullet entry listed as a solution (copying the "C3DPipeNetworkRules.dll") is the most reliable fix for this problem. There is a link for downloading the suggested "C3DPipeNetworkRules.dll" file at the end of the article.

Installation Notes

FD0T2015.C3D Directory Structure

The installation adds the following directory structure and content: C:\FDOT2015.C3D\

The installation creates a directory \FDOT2015.C3D, where specified, locally or on a server. We recommend the FDOT software be installed at the default directory level on the drive selected. Nearly all of the FDOT programs, content and support files are in this folder.

FDOT Directory Variables	
Apps Directory:	C:\FDOT2015.C3D\APPS\
Apps Utl Directory:	C:\FDOT2015.C3D\APPS\UTL\
Data Directory:	C:\FDOT2015.C3D\Data\
Templates Directory:	C:\FDOT2015.C3D\Data\templates\
Project Template Directory:	C:\FDOT2015.C3D\FDOT Project Template\
Support Directory:	C:\FDOT2015.C3D\Support\
Profile Directory:	C:\FDOT2015.C3D\Support\Profiles\
Plot Directory:	C:\FDOT2015.C3D\Support\Plot\

C:\ProgramData\Autodesk\C3D 2015\enu

The installation adds the remaining FDOT resource support files to ProgramData for use by Civil 3D 2015. They include FDOT Subassemblies resource files; .dll files, ATC catalogs, assemblies for tool palettes, imported Subassembly packets and Subassembly help files. Also required in this location are FDOT custom pipe network rule files. Default located content is design criteria standards and survey settings files.

C:\Users\USERID\AppData\Roaming\Autodesk\C3D 2015\enu\Support\

The AutoCAD default is: .\Profiles\FDOT2015C3D\Profile.aws

Environment Variables and Registry Entries

The installation adds the following environment variables:

FDOT2015.C3D.SERVER

This variable points to the location of the FDOT2015.C3D server directory.

FDOT2015.C3D.LOCAL

This variable points to the location of the FDOT2015.C3D directory on the local machine. Specifically points to location of standalone apps.

FDOT2015.C3D.PROJECTS

This variable points to the location of the configured projects directory.

The installation adds the following registry entries:

HKEY_LOCAL_MACHINE\SOFTWARE\FDOT\FDOT2015.C3D\FDOT2015.C3D.LOCAL

HKEY LOCAL MACHINE\SOFTWARE\FDOT\FDOT2015.C3D\FDOT2015.C3D.PROJECTS

HKEY LOCAL MACHINE\SOFTWARE\FDOT\FDOT2015.C3D\FDOT2015.C3D.SERVER

HKEY CURRENT USER\Software\Autodesk\AutoCAD\R19.1\ACAD-A000:409\Profiles\FDOT2015C3D

HKEY_CURRENT_USER\Software\Microsoft\IntelliType Pro\AppSpecific\CreateFile.exe

HKEY_CURRENT_USER\Software\Microsoft\IntelliType Pro\AppSpecific\CreateProjectC3D.exe

HKEY_CURRENT_USER\Software\Microsoft\IntelliType Pro\AppSpecific\ECSOsupport.exe

HKEY_CURRENT_USER\Software\Microsoft\IntelliType Pro\AppSpecific\LandXMLGrouper.exe

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Other Environment Settings:

FDOT Constants	
Release Version:	FDOT2015.C3D
Profile Name:	FDOT2015C3D
Plot Device Name:	FDOTPDF.pc3
Media Name:	ANSI_B_(11.00_x_17.00_Inches)
FDOT Registry Variables	
Installation Location:	C:\Program Files\Autodesk\AutoCAD 2015\
Progld:	AutoCAD.Application.20.0
Local Directory:	C:\FDOT2015.C3D\
Projects Directory:	C:\Civil 3D Projects\
Server Directory:	C:\FDOT2015.C3D\

FDOT Ribbon Content

F1 Help and Video for FDOT Applications on the FDOT Ribbon are available in the State Kit.



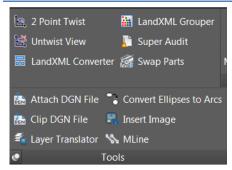
Create File



Create File

Launches the Create File application so the user can automatically create new drawings based on FDOT standards into project structure. Chooses the correct template per selected FDOT Sheet type then assigns standard name. Saves and opens new file. (Author: Michael Robertson)

Tools



2 Point Twist

Command: TW Rotates the view to the angle defined between two selected points.

Untwist View

Returns the view to its original angle of rotation.

LandXML Converter

Converts EFB outputted LandXML data onto file formats for CAiCE and GEOPACK and Grouped LandXML. (Author: Ray L'Amoreaux)

LandXML Grouper

Organizes LandXML data into points and feature chain LandXML groups using custom filters. (Author: Ray L'Amoreaux)

Super Audit

Runs an AutoCAD Audit and Purges unregistered apps.

Swap Parts

For drawings containing Civil 3D Pipe objects. Swap Parts is used to swap multiple pipes. (Author: Jason Roberts)

Attach DGN File

AutoCAD Command: DGNattach. Attaches a DGN file as an XREF.

Clip DGN File

AutoCAD Command: DGNCLIP Clips a DGN reference to desired shape.

Convert Ellipse to Arc

Converts Ellipses to Arcs. Used for correcting geometry types for AutoCAD use.

Insert Image

MAP3D Command: MAPIINSERT Inserts a vector correlated raster image file.

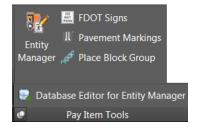
Layer Translator

file

Mline

AutoCAD Command: MLINE Inserts a vector correlated raster image file.

Pay Item Tools



Entity Manager

Entity Manager is an automation tool for Civil 3D used to place objects in the drawing at the proper symbology with attached pay item data appropriate for the object and drawing type. (Author: Ray L'Amoreaux)

FDOT Signs

Creates a sign assembly with pay item including the sign panel post, any foundation or breakaway base of single and multiple panels. (Author: CADManage)

Pavement Markings

Automates the design and placement of Gore, Island and Land Striping. (Author: Jason Roberts)

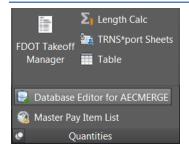
Place Block Group

Inserts a pay item block in groups directionally along entities (alignment) with pay items assigned. (Author: Jason Roberts)

Database Editor for Entity Manager

Edits the custom Pay Item Database file utilized by Entity Manager for Compute Method, Adhocs Data, ID and graphical data. (Author: Ray L'Amoreaux)

Quantities



FDOT Takeoff Manager

FDOT Takeoff Manager is an automation tool for Civil 3D used to extract pay item quantities from the plan sheets for placement in the tabulation of quantity sheets. (Author: Andrew Fuller)

Length Calc

The length calculator can select segments of Lines, Arcs, and Polylines to generate a cumulative total length that can be exported to Excel or inserted into the drawing as a Table. (Author: Jason Roberts)

TRNS*port Sheets

Inserts CES .xml reports exported from the TRNS*port program as a table (lines and text) inside of a required summary of pay item sheet layout. (Author: Autodesk)

Table

AutoCAD Command: Table Creates and inserts an empty table object into the current drawing.

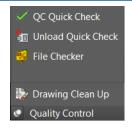
Database Editor for AECMERGE

Edits the AECMERGE Pay Item Database. (Author: Ray L'Amoreaux)

Master Pay Item List

Link to the FDOT Basis of Estimates and Pay Item Information website which contains a link to the current Master Pay Items List PDF.

Quality Control



QC Quick Check

Generates a QC (Quality Control) non-compliance check list for interactive corrections. (Author: Michael Robertson)

Unload Quick Check

Unloads QC Checker to stop compliance scans when drawing is closed. (Author: Michael Robertson)

File Checker

This application is used to find duplicate files for removal in a FDOT Project.

Drawing Clean Up

MAP3D Command: MAPCLEAN Performs multiple entity cleanup operations on a drawing file.

Reports



Lane Slope

Used to generate a report showing lane cross slopes in percent of grade across an existing road. (Author: Jason Roberts)

QC Batch

Batch checks drawing files for compliance and generates a report. (Author: Michael Robertson)

Style List

Creates a list of Styles found in the current drawing. (Author: Michael Robertson)

GeoTech



BoreHole

Used to place Borehole symbols and data read from an Excel spreadsheet into Plan and/or Section Views. (Author: Michael Robertson)

FDOT Standalone Applications

Create 3D Deliverables

3D

Application Folder

Command Line: Create3DDeliverables

Author: Ray L'Amoreaux

Description:

Creates folders, copies and renames 3D data to organize project 3D and LandXML deliverables. Streamlines for the designer an easy method to copy/rename 3D Deliverables data from various locations in the project a special folder, 3DDeliverables existing or created in the project template. Any preparation needed to insure the integrity of the data is left up to the user. This is utilized prior to the delivery of design data.

Create File



Application Folder FDOT Ribbon – Create File Panel CreateFile.exe Author: Michael Robertson

Description:

Creates folders, copies and renames 3D data to organize project 3D and LandXML deliverables. Streamlines for the designer an easy method to copy/rename 3D Deliverables data from various locations in the project a special folder, 3DDeliverables existing or created in the project template. Any preparation needed to insure the integrity of the data is left up to the user. This is utilized prior to the delivery of design data.

Create Project



Application Folder

CreateProjectC3D.exe

Author: Andrew Fuller

Description:

Creates a FDOT Project structure.

FDOT XML Signing



Application Folder FDOTXMLSigning.exe

Author: Ray L'Amoreaux

Description:

Digitally signs and verifies XML Data. It is a simple implementation of XML digital signature based on the W3C Specification 1.0. The application is only intended to apply a single digital signature per file. Multiple files may be signed in a single operation. Verification of signed files may be done as a batch operation. Comments may be modified or be added to the XML after the file has been signed, and the signature will still be verified as authentic.

File Checker C3D



Application Folder FileCheckerC3D Author: Ray L'Amoreaux

Description:

Application checks files across a project to flag for folder and file inconstancies not allowed by CADD Standard, such as file name duplication for project delivery. It generates a report for the user's clean-up prior to delivery.

LandXML Converter



Application Folder LandXMLGrouper.exe Author: Ray L'Amoreaux

Description:

Converts LandXML data output from EFB to CAiCE and GEOPAK input data. The application can be called from the command line to automatically process data. The Office of Surveying and Mapping includes this application in their workflow for processing EFB data. If executed without parameters, the application interacts with the user

through a form. Given EFB LandXML input data the converter outputs the following geometry file formats: SRV, KCP, INP and XML representing CAICE SRV data, CAICE KCP data, GEOPAK input data, and LandXML Grouped Output. A log provides information on data processing status. The grouped output is ordered by various criteria including point code, name, role or zone.

LandXML Grouper



Application Folder LandXMLGrouper.exe Author: Ray L'Amoreaux

Description:

The LandXML Grouper reads survey data from the EFB (Electronic Field Book) allowing users to create groups of points, chains, and pipe networks based on a variety of search filters. A set of standard filters is provided and accessible through the application. New filters and modifications can be saved for later use as XML data (FDOTGroupSetting.xml). Imports LandXML survey data from the EFB (Electronic Field Book) into the application for use as the basis for source points and groups. Once survey data is read and search criteria is selected, use this option to create a point group, chain group, or pipe network. The filtered group is then added to the output tree view. Groups can then be renamed or removed as needed. Finally the application saves the output data, formatted to AutoCAD Civil 3D standards, to a LandXML file.

LANDXML VISUALIZER



Application Folder LandXML Visualizer.exe Author: Ray L'Amoreaux

Description:

Provides a visual representation of various types of LandXML data. Examples of input types are from: GEOPAK, KC, Electronic Field book, Civil3D and any LandXML data that adheres to the LandXML-1.2 standard (and prior). There are limitations on processing some types of data. The following types of data are processed: Surfaces, CgPoints, Parcels, horizontal and vertical Alignments, Cross Sections, Pipe Networks, and Plan Features. There are 3 primary displays that include: Plan View for displaying surfaces including elevation and slope vectors, contours, alignments and point data; Profile View for displaying multiple vertical Profile data; and Section View for display of Cross Section and Design Cross Section data that can be linked to the appropriate vertical alignment. Each view provides the capability to turn on/off sections of data (using a hierarchal tree view control), zooming and positioning controls, measurement and precision elevation displays. A log view provides status and debug information.

PEDDS



Application Folder PEDDS.exe

Author: Andrew Fuller

Description:

This application used for electronic digital delivery is included for legacy only and it not currently being used with Civil 3D Projects which are to be delivered using digital delivery.

Sheet Set Organizer



Application Folder SheetSetOrganizer.exe Author: Andrew Fuller

Description:

Sheet Set Organizer (SSO) is an application that interacts with AutoCAD Sheet Set Manager (SSM) to provide comprehensive management of the Sheets Sets (.DST files) that also comprises of complete plans sets. When a project is opened with Sheet Set Organizer, that project directory structure is searched for .DST files and all of the drawing files and layouts referenced in those DST files are rolled up into a single Sheet Set Organizer vista.

FDOT Subassemblies

Legacy Subassemblies

The FDOT Engineering CADD Systems Office (ECSO) is in the process of porting the existing FDOT2014 subassemblies constructed using Subassembly Studio (SAS) to a solution using Microsoft .NET programming for greater flexibility. The subassemblies referenced from the FDOT2015 tool palettes are the .NET based subassemblies (not the FDOT2014 subassemblies).

Projects that were started in FDOT2014 using SAS subassemblies will continue to function if promoted to FDOT2015.

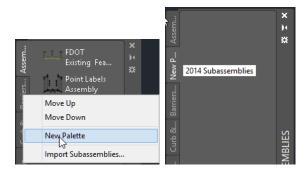
Adding FDOT 2014 Subassemblies to FDOT 2015 Tool Palettes

If there is a need to add a FDOT2014 Subassembly to a FDOT2015 project this can be done by following the steps listed below:

- 1. Open FDOT2015
- 2. If the tool palettes are not open, open them. (Command: TP)
- 3. Confirm the current palette group is set to "FDOT Subassemblies"



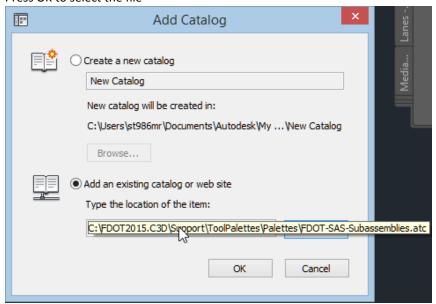
4. Create a new palette and give it a logical name. (rt-click tab and select "New Palette")



5. Open the Content Browser ("contentbrowser") command and select the "Add Catalog" button



6. Press the "Browse" button and browse to the following file: "C:\FDOT2015.C3D\Support\ToolPalettes\Palettes\FDOT-SAS-Subassemblies.atc" Press OK to select the file



7. Open the "FDOT Subassemblies" catalog by clicking on the icon



8. Select the category of the desired Subassembly to access the individual Subassembly you desire.



9. Drag the desired Subassembly to your custom palette by left press and hold on the "i" icon and dragging to the palette.



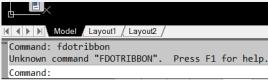
The 2014 Subassembly should now be on your palette and ready for use.

Troubleshooting

Removing the FDOT C3D Profile using the FDOT Profile Scrubber

NOTE: This process, removing the FDOT C3D Profile, does not affect other AutoCAD user profiles or customization. You do not have to reinstall the State Kit after running this utility. For additional information, see application's Readme.txt installed at C:\FDOT2015.C3D\APPS\Support\ProfileScrubber\.

Issue: If FDOT2015C3D.arg fails to load properly on first launch of FDOT Civil 3D, you may see the following messages.



This can occur when prior profiles with the **same name** stored in the registry are preventing the new .arg file to be loaded. Clearing those paths allows Civil 3D to force a fresh re-read of the .arg file.

The profiles are cleared in the CURRENT user's AppData folder:

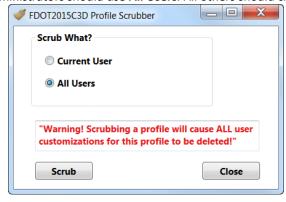
C:\Users\USERID\AppData\Roaming\Autodesk\C3D 2015\enu\Support\Profiles\FDOT2015C3D.

A registry entry is also made in the registry at:

HKEY_CURRENT_USER\Software\Autodesk\AutoCAD\R20.0\ACAD-A000:409\Profiles\FDOT2015C3D

- 1. Close Civil 3D.
- Using Windows Explorer, navigate to the FDOT Profile Scrubber Utility:
 X:\FDOT2015.C3D\APPS\Support\ProfileScrubber\ where 'X' is the installed drive.
- Select and run the executable FDOTProfileScrubber.exe (Requires Admin Rights)
 (Optional) Select and run the executable FDOTUserProfileScrubber.exe (No Admin Rights Required, for users)
- 4. Scrub What? Choose from menu and select Scrub.

Administrators should use **All Users**. All others should choose **Current User**.



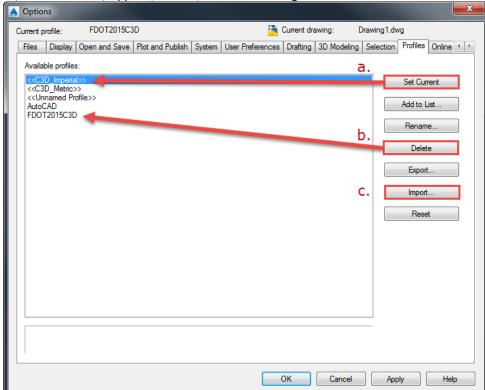


10. Select **OK** when process finished.

Reimporting the FDOT Civil 3D Profile - Manual Method

Issue: If the FDOT Civil 3D State Kit launches without error but the Civil 3D Workspace with its ribbon does not load, manually reload the FDOT Civil 3D Profile through AutoCAD. This will also correct most Workspace issues that are not corrected by re-launching from the State Kit Shortcut.

- 1. Command: **Options** > Profile Tab (see image below)
 - a. Click to select another profile from 'Available profiles' list and then select 'Set Current'
 - b. Select and Delete the FDOT2015C3D profile
 - c. Import the installed FDOT Civil 3D Profile file 'FDOT2015C3D.arg' from:
 X:\FDOT2015.C3D\Support\Profiles\FDOT2015C3D.arg where 'X' is the installed drive.



- 2. **OK** to accept and reload Profile into registry.
- 3. Command Line: FDOT Ribbon.